DEPARTMENT OF PERMITTING, ENVIRONMENT AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Kawneer Company, Inc. 555 Guthridge Court Norcross, GA 30092

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "7-13/16" Deep 1600 System 1" Aluminum Glazed Curtain Wall - L.M.I.

APPROVAL DOCUMENT: Drawing No. 1789, titled series "7¹³/₁₆" Deep 1600 System 1 Curtain Wall (L.M.I.) ", sheets 1 through 18 of 18, dated 02/14/12, prepared by W.W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Section revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 08-1104.09 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

MIAMI-DADE COUNTY APPROVED

J-645con

NOA No. 12-0622.07 Expiration Date: June 22, 2016 Approval Date: August 30, 2012

MIAMI-DADE COUNTY, FLORIDA

T (786) 315-2590

PRODUCT CONTROL SECTION

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Miami, Florida 33175-2474

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Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 1789, titled series "7¹³/₁₆" Deep 1600 System 1 Curtain Wall (L.M.I.) ", sheets 1 through 18 of 18, dated 02/14/12, prepared by W.W. Schaefer Engineering & Consulting, P. A., signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201–94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of curtain wall system, prepared by Architectural Testing, Inc., Test Report No. ATI-B3877.01-550-18, dated 02/20/12, signed and sealed by Vinu J. Abraham, P. E.

- 2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201–94
 - 3) Small Missile Impact Test per FBC, TAS 201-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of curtain wall system, prepared by Hurricane Test Laboratory, LLC, Test Report No. HTL-0049-0202-05, dated 02/07/05 and 05/21/05, signed and sealed by Vinu J. Abraham, P. E.

(Submitted under previous NOA No. 06-0320.19)

- 3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201–94
 - 5) Large Missile Impact Test per FBC, TAS 201-94
 - 6) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of curtain wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. HTL-0049-1106-00, dated 06/29/01, signed and sealed by Vinu J. Abraham, P. E.

(Submitted under previous NOA No. 06-0320.19)

- 4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Small Missile Impact Test per FBC, TAS 201-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked—up drawings and installation diagram of curtain wall system, prepared by Hurricane Test Laboratory, Inc., Test Report No. HTL-0049-0406-01, dated 06/29/01, signed and sealed by Vinu J. Abraham, P. E.

(Submitted under previous NOA No. 06-0320.19)

Jaime D. Gascon, P. E.

Product Control Section Supervisor NOA No. 12-0622.07

Expiration Date: June 22, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

- 2. Notification of successor engineer per section 61g15–27.001 of the Florida Administrative Code, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to the curtain wall system 1600 System 1 & 2 of Kawneer Company, Inc., dated 02/29/12, signed and sealed by Warren W. Schaefer, P. E.
- 3. Statement letter of no financial interest, issued by W.W. Schaefer Engineering & Consulting, P. A., dated 02/28/12, signed and sealed by Warren W. Schaefer, P. E.
- 4. Laboratory compliance letter for Test Report No. ATI-B3877.01-550-18, issued by Architectural Testing, Inc., dated 05/22/12, signed and sealed by Vinu J. Abraham, P. E.
- 5. Laboratory compliance letters for Test Report No. HTL-0049-0202-05, issued by Hurricane Test Laboratory, Inc., dated 02/07/05 and 05/21/05, signed and sealed by Vinu J. Abraham, P. E.

(Submitted under previous NOA No. 06-0320.19)

- 6. Laboratory addendum letters for Test Reports No.'s HTL-0049-0406-01 and HTL-0049-1106-00, both issued by Hurricane Test Laboratory, Inc., dated 09/15/03, both signed and sealed by Vinu J. Abraham, P. E. (Submitted under previous NOA No. 06-0320.19)
- 7. Laboratory compliance letters for Test Reports No.'s HTL-0049-0406-01 and HTL-0049-1106-00, both issued by Hurricane Test Laboratory, Inc., dated 06/29/01, both signed and sealed by Vinu J. Abraham, P. E. (Submitted under previous NOA No. 06-0320.19)

G. OTHERS

- 1. Notice of Acceptance No. 08-1104.09, issued to Kawneer Company, Inc., for their Series "1600 System 1 No Steel Reinforcement Aluminum Curtain Wall L.M.I.", approved on 07/14/09 and expiring on 06/22/16.
- 2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94

 *Reference only 2) Small Missile Impact Test per FBC, TAS 201–94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of curtain wall system, prepared by Architectural Testing, Inc., Test Report No. ATI-B8873.01-550-18, dated 05/22/12, signed and sealed by Vinu J. Abraham, P. E.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0622.07

Expiration Date: June 22, 2016

Approval Date: August 30, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by W.W. Schaefer Engineering & Consulting, P. A., dated 03/13/12, signed and sealed by Warren W. Schaefer, P. E.
- 2. Glazing complies with ASTM E1300-98/04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.
- 2. Notice of Acceptance No. 07-1116.11 issued to Saf-Glas, LLC for their "SAF-GLAS Polycarbonate Laminate", dated 12/27/07, expiring on 12/16/12.
- 3. Notice of Acceptance No. 08-0508.02 issued to Viracon, Inc. for their "StormGuard Glass Interlayer", dated 07/03/08, expiring on 04/14/13.
- 4. Notice of Acceptance No. 10-0201.01 issued to Viracon, Inc. for their "Viracon HRG-2 Glass Interlayer", dated 03/24/10, expiring on 02/12/14.
- 5. Trelleborg Part No. BRM-270400 EPDM exterior glazing gasket complying with ASTM C864 Option II exceptions, ASTM D412 1509 PSI; D395B 22 HRS @ 70°F 16%; ASTM D 2240 Type A 70; ASTM D 573 70 HRS @ 100°C +2.0%, -9.2% and +6 pts.; ASTM D 624-Die-C 101.7 ppi; ASTM D 1149 100 HRS/ 100pphm @ 40°C 20% No Cracks; ASTM D746 max. -42.8°C; ASTM D 926 No Migration Stain and ASTM C 1166 No Limit.
- 6. Test Reports No.'s ARDL-PN-74740-A and ARDL-PN-7474-BB, issued and prepared by Akron Rubber Development Laboratory, Inc., dated 08/21/02, for TREMCO EPDM exterior glazing gasket complying with ASTM C864 Option II exceptions, ASTM D412 1871 PSI, D395B 22 HRS 100°C 14.4%; ASTM D 573 70 HRS @ 100°C -5.0%, -2.2% and + 4 pts.; ASTM D 624-Die-C 162.2 ppi; ASTM D 1149 100 HRS/ 100pphm @ 40°C 20% No Cracks; ASTM D746 max. -58°C; ASTM D 926 No Migration Stain and ASTM C 1166 No Limit, dated 08/28/07 and 09/04/07, both signed by Jim Drummond.

(Submitted under previous NOA No. 08-1103.09)

F. STATEMENTS

1. Statement letter of conformance and complying with FBC-2010, issued by W.W. Schaefer Engineering & Consulting, P. A., dated 03/14/12, signed and sealed by Warren W. Schaefer, P. E.

Jaime D. Gascon, P. E.

Product Control Section Supervisor NOA No. 12-0622.07

Expiration Date: June 22, 2016 Approval Date: August 30, 2012

GENERAL NOTES:

- 1. THESE CURTAIN WALL SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)"
- 2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- 3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- 4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCALS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT CURTAIN WALL SYSTEMS.
- 5. THESE CURTAIN WALL SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS CURTAIN WALL SYSTEM. 7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN
- REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
- 8. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW LOAD VERIFICATION ONLY.
- 9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
- 10. THERE SHALL BE NO LIMIT TO THE NUMBER OF HORIZONTAL & VERTICAL PANELS USED FOR ANY JOB PROVIDING ALL RESTRICTIONS ARE MET PER THE ELEVATIONS.

DRAWING USE INSTRUCTIONS:

- DETERMINE IF THE WALL SYSTEM IS TO BE A MULTI-SPAN, REINFORCED SINGLE SPAN, OR NON-REINFORCED SINGLE SPAN CONDITION. IF MULTI-SPAN, ALL CONDITIONS SHOWN ON SHEETS 2 & 3 SHALL APPLY. IF A REINFORCED SINGLE SPAN, ALL CONDITIONS SHOWN ON SHEET 4 SHALL APPLY. IF A NON-REINFORCED SINGLE SPAN, ALL CONDITIONS SHOWN ON SHEET 5 SHALL APPLY.
- 2. CONDITIONS MAY NOT BE MIXED BETWEEN WALL SYSTEM TYPES. 3. ALLOWABLE GLASS PRESSURE SHALL BE CONSIDERED WITH ALL WALL CONDITIONS AND SHALL CONTROL IF LESS THAN THOSE ALLOWABLE PRESSURES STATED FOR THE APPLICABLE FRAMING SYSTEM.

FREE SPANNING JAMB PERIMETER SEALANT NOTE (APPLICABLE TO ELEVATION ON SHEET 5):

WHEN THERE IS NO CONTINUOUS JAMB SUPPORT, THE MINIMUM & MAXIMUM ALLOWABLE SPACE BETWEEN JAMB FRAME MEMBERS & THE OPENING SUBSTRATE OR FINISHES SHALL BE SPECIFIED BY THE ENGINEER OR ARCHITECT OF RECORD FOR EACH JOB BUT SHALL NOT BE LESS THAN 1/2" NOR GREATER THAN 1 3/8". WHEN CONSIDERING TYPE. DEPTH & JOINT SPAN OF SEALANT, THE ENGINEER/ARCHITECT SHALL TAKE INTO CONSIDERATION THE DEFLECTION OF THE JAMB MEMBER THAT WOULD OCCUR WHILE SUPPORTING THE JOB REQUIRED DESIGN WIND PRESSURE. ALSO TO BE CONSIDERED SHALL BE THE MATERIALS & SURFACES TO WHICH THE SEALANT WILL BE APPLIED.

THESE I.G. GLASS OPTIONS ARE NOT APPLICABLE FOR USE WITH A VERTICAL CORNER FRAME MEMBER. I.G. GLASS MAY ONLY BE APPLIED BETWEEN INTERMEDIATE & JAMB FRAME MEMBERS (KAWNEER DOES NOT SUPPLY A CORNER PRESSURE PLATE FOR USE WITH I.G. GLASS)

CORNER CONSTRUCTION:

MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL MEMBERS VIA A SHEAR BLOCK (ITEM #14). THE SHEAR BLOCK IS MECHANICALLY FASTENED TO THE VERTICAL FRAME MEMBER WITH 2 NO. 12 X 1 7/8" FHTF SCREWS. THE HORIZONTAL FRAME MEMBERS ARE ATTACHED TO THE SHEAR BLOCK WITH 2 NO. 12 X 7/8" PHTF SCREWS. CORNERS ARE SEALED WITH DOW 795 STANDARD FRAMING AT INTERMEDIATE HORIZONTAL MEMBERS: HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL FRAME MEMBERS VIA A SHEAR BLOCK (ITEM #16). THE SHEAR BLOCK IS MECHANICALLY FASTENED TO THE VERTICAL FRAME MEMBER WITH 2 NO. 12 X 1 7/8" FHTF SCREWS. THE INTERMEDIATE HORIZONTAL FRAME MEMBERS ARE ATTACHED TO THE SHEAR BLOCK WITH 2 NO. 12 X 7/8" FHTF SCREWS. CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT. TYPICAL 90 DEGREE CORNER FRAMING: VERTICAL CORNER MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE MITER CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL MEMBERS VIA A SHEAR BLOCK (ITEM #15). THE SHEAR BLOCK IS MECHANICALLY FASTENED TO THE VERTICAL CORNER FRAME MEMBERS WITH 3 NO. 12 X 7/16" PHTF SCREWS. THE HORIZONTAL FRAME MEMBERS ARE ATTACHED TO THE SHEAR BLOCK WITH 2 NO. 12 X 1/2" FHTF SCREWS. CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT. 90 DEGREE CORNER FRAMING AT SPLICE JOINT LOCATIONS: VERTICAL CORNER MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE MITER CUT. BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL MEMBERS VIA A SHEAR BLOCK (ITEM #18). THE SHEAR BLOCK IS MECHANICALLY FASTENED TO THE VERTICAL CORNER FRAME MEMBERS WITH 2 NO. 12 X 7/16" PHTF SCREWS (2 PER SHEAR BLOCK). THE HORIZONTAL FRAME MEMBERS ARE ATTACHED TO THE SHEAR BLOCK WITH 2 NO. 12 X 1/2" FHTF SCREWS (2 PER SHEAR BLOCK). CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT. STANDARD FRAMING AT SPLICE JOINT LOCATIONS: VERTICAL MEMBERS RUN THROUGH WHILE THE HORIZONTAL MEMBERS ARE SQUARE CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL MEMBERS VIA A SHEAR BLOCK (ITEM #17). THE SHEAR BLOCK IS MECHANICALLY FASTENED TO THE VERTICAL CORNER FRAME MEMBERS WITH 2 NO. 12 X 1 7/8" PHTF SCREWS (2 PER SHEAR BLOCK), THE HORIZONTAL FRAME MEMBERS ARE ATTACHED TO THE

SHEAR BLOCK WITH 2 NO. 12 X 1/2" FHTF SCREWS (2 PER SHEAR BLOCK).

CORNERS ARE SEALED WITH DOW 795 SILICONE SEALANT.

STANDARD FRAMING AT TOP & BOTTOM HORIZONTAL MEMBERS: VERTICAL

	GLASS D.L	.O. JIZI	_ ۷., 11	VE330IVE			
	GLASS OPTIONS	MAXIMUM D.L.O. WIDTH	MAXIMUM D.L.O. HEIGHT	ALLOWABLE DESIGN PRESSURE			
	1, 2, 3, 6 & 7	58 1/2"	93 1/2"	+/-90 PSF			
		57 3/4"	94 3/4"	+/-90 PSF			
	0 & 7	73 3/4"	54 5/8"	+/-90 PSF			
Ì		58 1/2"	93 1/2"	+/-65 PSF			
	- 4 & 5	57 3/4"	94 3/4"	+/-65 PSF			
		73 3/4"	54 5/8"	+/-65 PSF			
	SEE GLAZING DETAILS FOR GLASS OPTIONS						
	HEIGHT & WIDTH MAY NOT BE INTERCHANGED!						

CLASS DIO SITE VS PRESSURE

SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURES

MAXIMUM ALLOWABLE FRAMING MEMBER DEFLECTION

L/180 (SPAN OF MEMBER DIVIDED BY 180)

NOTE: THIS IS THE MAXIMUM ALLOWABLE DEFLECTION AS RESTRICTED BY THE BUILDING CODE. IF JOB CONDITIONS REQUIRE LESS DEFLECTION, THE JOB CONDITIONS SHALL CONTROL.

ANCHOR LEGEND						
ANCHOR SYMBOL	ANCHOR DESCRIPTION					
⊞	STANDARD WIND LOAD ANCHOR					
\oplus	CORNER WIND LOAD ANCHOR					
Λ	STANDARD DEAD LOAD ANCHOR					
	CORNER DEAD LOAD ANCHOR					
B						
•	CORNER T-ANCHOR					
♦	DOOR JAMB U-ANCHOR					
▲ F-ANCHOR (FRAME MEMBER ENDS						
SEE SHEETS 6-10 FOR DETAILS OF ANCHORS						

VERTICAL MEMBER REINFORCEMENT LEGEND

- R1 = REINFORCEMENT PART NUMBER 36
- R2 = REINFORCEMENT PART NUMBER 36 & 37
- [R3] = REINFORCEMENT PART NUMBERS 36, 37 & 38
- R4 = REINFORCEMENT PART NUMBERS 36, 37, 38 & 39
- R5 = REINFORCEMENT PART NUMBER 40

PRODUCT REVISED

as complying with the Florida

Building Code 12-0622. Acceptance No Expiration Date 96/22/2016

SEE PARTS DRAWINGS & PARTS LIST FOR APPLICABLE REINFORCEMENT MEMBERS & THEIR DETAIL

> NO. 44135 HALLING THE STATE OF SC. SC. 10. 44135 No A A A SCHOOL AND A SCHOOL AN

NOTE: INFORMATION ON THIS SHEET APPLIES TO ALL ELEVATIONS.

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SHEET NO. of 18

P.A. (CA 6809)

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4555

DATE: 02/14/12

COMPANY, INC.
HRIDGE COURT
SS, GA 30092
-449-5555

(L.M.I.)

CURTAIN

SYSTEM

1600

DEEP

13/16"

<u>NOTES APPLICABLE TO MULTI-SPAN CURTAIN WALLS</u>

1. WITH EACH APPLICABLE JOB, SHOP DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A LICENSED ENGINEER EXPERIENCED WITH CURTAIN WALL DESIGN. 2, THE RESPONSIBLE ENGINEER SHALL DESIGN THE WALL SYSTEM SEPARATELY FOR EACH JOB & CONFIRM THAT ALL CONDITIONS STATED HERE-IN HAVE BEEN CONSIDERED AND ADHERED TO IN THAT DESIGN.

3, IN HIS/HER DESIGN, THE RESPONSIBLE ENGINEER SHALL VERIFY THE INTEGRITY OF ALL CONNECTIONS AND FRAMING MEMBERS & SHALL TAKE FULL RESPONSIBILITY FOR THE INTEGRITY OF THE SYSTEM DESIGN AS A WHOLE WHILE NOT ALLOWING THE CONDITIONS STATED HERE-IN TO BE EXCEEDED. ALLOWABLE SUPPORT REACTIONS AND VERTICAL FRAMING MEMBER BENDING MOMENTS SHALL NOT EXCEED THOSE STATED IN THE TABLES ON THIS SHEET, REGARDLESS OF JOB DESIGN.

4. THE CURTAIN WALL DESIGN ENGINEER SHALL CONSIDER ALL APPLICABLE REACTION LOADS IN HIS/HER DESIGN WHILE NOT ALLOWING THE REACTIONS RESUITLING FROM WIND LOADS TO EXCEED THOSE SPECIFIED IN THE ANCHOR REACTION LOAD TABLE.

5. THE WORSE CASE OF THE CONDITIONS SPECIFIED IN THIS PRODUCT APPROVAL DRAWING AND THOSE DETERMINED BY THE INDIVIDUAL JOB ENGINEER'S ANALYSIS & DESIGN SHALL CONTROL AS APPLICABLE FOR THE ACTUAL JOB.

6. REGARDLESS OF JOB DETERMINED MEMBER STRESS & DEFLECTION CONDITIONS, THE FOLLOWING SHALL APPLY:

A. REINFORCEMENT TYPE R1 MUST BE PLACED BETWEEN SUPPORTS IN ALL VERTICAL INTERMEDIATE FRAME MEMBERS THAT SPAN OVER 114" BETWEEN THEIR SUPPORTS (NOT REQUIRED IF THE UNSUPPORTED SPAN IS 114" OR LESS & THE JOB DESIGN ALLOWS FOR NO REINFORCEMENT).

IF BETWEEN 2 DOOR UNITS, THE VERTICAL FRAMING MEMBER SHALL BE REINFORCED. REINFORCEMENT SHALL BEGIN MAXIMUM 12" UP FROM THE SILL & EXTEND MINIMUM 12" PAST THE DOOR HEAD FRAME.

C. ALL VERTICAL INTERMEDIATE FRAMING MEMBERS SHALL BE REINFORCED ACROSS ALL INTERMEDIATE DEAD/WIND LOAD ANCHOR LOCATIONS WITH ONE OF THE REINFORCEMENT TYPES R1, R2 OR R3 AS SPECIFIED IN THE ELEVATION. THIS REINFORCEMENT SHALL EXTEND A MINIMUM OF 18" ABOVE & BELOW THE

REINFORCEMENT TYPE R4 IS REQUIRED IN ALL VERTICAL CORNER FRAME MEMBERS. IT SHALL BE CONTINUOUS BETWEEN ALL MEMBER SPLICE JOINTS AND

EXTEND TO WITHIN 24" OF WALL BASE, 12" OF A SPLICE & 18" OF THE WALL TOP.

REINFORCEMENT IS NOT REQUIRED TO BE CONTINUOUS TOP TO BOTTOM WITHIN THE VERTICAL FRAMING MEMBERS. REINFORCEMENT MAY BE NON-CONTINUOUS, AS DETERMINED FOR EACH JOB, PROVIDING IT MEETS THE MINIMUM GUIDELINES OF THIS DRAWING.

8. This elevation shows the 1600 curtain wall system 1 in a multi—story application. The number of floors with which this system may be used RANGE FROM TWO(2) TO UNLIMITED WITH THE ONLY RESTRICTIONS BEING THE MAXIMUM SPAN BETWEEN FLOORS/SUPPORTS AND THE MAXIMUM D.L.O. SIZES SPECIFIED.

9. SPLICING OF VERTICAL FRAME MEMBERS MAY OCCUR BETWEEN SUPPORTS AS REQUIRED. LOCATION OF THOSE SPLICES SHALL BE WHERE A BENDING MOMENT OF NEAR ZERO(0) EXISTS IN THE MEMBER.

10. THE MULTI-SPAN ELEVATION SHOWN SHOWS ONE DOOR SECTION. MULTIPLE DOOR SECTIONS MAY OCCUR SIDE-BY SIDE IN ONE WALL SYSTEM PROVIDING ALL REQUIREMENTS WITHIN THIS DRAWING ARE MET AND THE JOB DESIGN ALLOWS FOR THE MULTIPLE DOOR CONDITION.

11. ALTHOUGH A DOOR SECTION IS SHOWN, THAT SECTION MAY EXIST WITH OR WITHOUT A DOOR.

12. THE ELEVATION HERE-IN SHOWS T-ANCHORS AT THE BASE OF THE WALL ONLY. THESE ANCHORS MAY ALSO BE USED AT THE TOP OF A WALL IN LIEU OF THE WIND/DEAD LOAD ANCHORS SHOWN PROVIDING THE SPAN BETWEEN THE T-ANCHORS AND THE BELOW WIND/DEAD LOAD ANCHORS DOES NOT EXCEED 167 1/2" (SAME SPAN AS AT THE BASE) & THEY ARE INSTALLED THE SAME AS SHOWN AT THE BASE. T-ANCHORS MAY APPLY AT THE TOP END OF A DOOR JAMB FRAME MEMBER.

(1) MAXIMUM ALLOWABLE BENDING MOMENTS IN VERTICAL FRAMING MEMBERS (FOR USE WITH MULTI-SPAN CURTAIN WALL)

(2) VERTICAL MEMBER	(3) MAXIMUM ALLOWABLE BENDING MOMENT (POS & NEG)
INTERMEDIATE MEMBER WITH NO REINFORCEMENT	61934 IN-LB
INTERMEDIATE MEMBER WITH REINFORCEMENT "R1"	84610 IN-LB
INTERMEDIATE MEMBER WITH REINFORCEMENT "R2"	115852 IN-LB
INTERMEDIATE MEMBER WITH REINFORCEMENT "R3"	133705 IN-LB
INTERMEDIATE MEMBER WITH REINFORCEMENT "R4"	150418 IN-LB
CORNER MEMBER WITH REINFORCEMENT "R5"	(4) 141377 IN-LB

- (1) THE VALUES IS THIS TABLE ARE APPLICABLE TO THE JOB REQUIRED DESIGN OF THE MULTI-SPAN WALL SYSTEM & NEED NOT BE CONSIDERED WITH SINGLE SPAN WALLS. ALL SINGLE SPAN MEMBER & REINFORCEMENT CONDITIONS SHALL BE AS SPECIFICALLY SPECIFIED IN THE SINGLE SPAN ELEVATIONS.
- (2) FOR DESCRIPTIONS OF REINFORCEMENTS, SEE THE "VERTICAL MEMBER REINFORCEMENT LEGEND".
- (3) ALL VALUES ARE BASED ON THE WORSE CASE OF TESTED MÓMENT AND ALLOWABLE MOMENT.
- (4) MOMENT VALUE SHOWN FOR THE CORNER MULLION IS DUE TO THE RESULTANT LOAD IN THE PLANE OF THE MULLION (LOAD FROM BOTH SIDES COMBINED INTO A RESULTANT). FOR SINGLE SIDE LOAD, THE ALLOWABLE MOMENT SHALL NOT EXCEED 70688 IN-LB. IN THAT DIRECTION (LOAD VECTOR 45 DEGREES TO MULLION ANGLE).

ANCHOR REACTION LOAD CAPACITY (MULTI-SPAN CURTAIN WALL)

ANCH SYMB	 ANCHOR DESCRIPTION	(1) MAXIMUM ALLOWABLE			
		REA	CTION	LOAD	
Ħ	STANDARD WIND LOAD ANCHOR		8980	LBS	
\oplus	CORNER WIND LOAD ANCHOR	(2)	5967	LBS	
Δ	 STANDARD DEAD LOAD ANCHOR		8980	LBS	
	CORNER DEAD LOAD ANCHOR	(2)	5967	LBS	
B	STANDARD T-ANCHOR		3152	LBS	
•	CORNER T-ANCHOR	(2)	1789	LBS	
♦	DOOR JAMB U-ANCHOR		2694	LBS	
lack	F-ANCHOR (FRAME MEMBER ENDS)		1131	LBS	

- (1) MAXIMUM ALLOWABLE REACTION LOADS SHOWN CONSIDER REACTIONS FROM WIND LOADS ONLY & APPLY TO BOTH POSITIVE & NEGATIVE WIND DIRECTIONS. IN ADDITION TO WIND LOADS, THE CURTAIN WALL DESIGN ENGINEER OF RECORD FOR EACH PROJECT SHALL ALSO CONSIDER OTHER APPLICABLE LOADS SUCH AS, BUT POSSIBLY NOT LIMITED TO, DEAD LOADS FROM THE CURTAIN WALL WEIGHT.
- (2) REACTION LOAD SHOWN FOR THE CORNER ANCHORS IS THE RESULTANT LOAD IN THE PLANE OF THE MULLION (LOAD FROM BOTH SIDES COMBINED INTO A RESULTANT) FOR EITHER SIDE LOAD, THE ALLOWABLE REACTION LOAD SHALL NOT EXCEED 4220 LB. FROM EITHER SIDE FOR THE WIND & DEAD LOAD ANCHORS NOR 1265 LBS FROM EITHER SIDE FOR THE T-ANCHOR.

MAXIMU	М	ALLOV	VABLE	E DE	SIGN	PRES	SURE
(I	ИU	LTI-SI	PAN	CUR	TAIN	WALL)	

ANCHOR REQUIREMENTS TABLE (MULTI-SPAN CURTAIN WALL)

T & U-ANCHOR SCREWS/BOLTS (VERTICAL MEMBER ENDS)

(1) 3/8" & 1/2" CONCRETE SCREWS SHALL BE SIMPSON STRONG—TIE TITAN HD SCREW ANCHOR

(2) MINIMUM CONCRETE SLAB THICKNESS FOR PLACEMENT OF "T" & "U" ANCHORS IS 7".

FRAME/CLIP TO OPENING

FÁSTENER TYPE

(1) 3/8" CONCRETE SCREW ANCHOR

3/8"-16 430 SS HCMS OR GR. 5 CS THREAD

FORMING SCREW

3/8" GR. 5 CS OR 410 SS BOLT WITH LOCK

WASHER & NUT

1/2"-13 300 SS HCMS OR GR. 5 CS THREAD

FORMING SCREW

1/2" GR. 5 CS OR 410 SS BOLT WITH LOCK

WASHER & NUT

(1) 1/2" CONCRETE SCREW ANCHOR

1/4-14 OR 20 GR. 5 SELF TAP/DRILL SCREW FULL

F-PERIMETER ANCHOR SCREWS

1. THE ABOVE STATED PRESSURES ARE THE MAXIMUM ALLOWED ON ANY JOB REGARDLESS OF WHAT THE JOB SPECIFIC DESIGN RESULTS MAY SHOW. INCREASE OF ALLOWABLE DESIGN PRESSURE ON ANY JOB IS CONSIDERED OUTSIDE THE SCOPE OF THIS APPROVAL. SEE "MULTI-SPAN WALL NOTES" ON THIS SHEET FOR ACTUAL JOB DESIGN CONDITIONS.

2. SEE ALLOWABLE GLASS DESIGN PRESSURE TABLE ON SHEET 1 FOR GLASS PRESSURE RESTRICTIONS. THE LESSER OF THE ALLOWABLE PRESSURE ON THE FRAMING SYSTEM AND THAT OF THE GLASS SHALL CONTROL FOR THE OVERALL SYSTEM.

NOTE: INFORMATION ON THIS SHEET APPLIES TO **ELEVATIONS ON SHEET 3** ONLY.

OPENING TYPE

(SUBSTRATE)

MIN. 1/8" THK A36 STEEL

MIN. 3000 PSI CONCRETE

MIN. 1/4" THK A36 STEEL

(2) MIN. 3000 PSI CONCRETE

(GALVANIZÉD STEEL).

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 12-0
Expiration Date 06/22

Miami Dade Product Control

HILLER * 433 MAN SON WALLER * HEEH * CENSE No. 44135 STATE OF * PROFES 1789

(L.M.I.) R COMPANY, I JTHRIDGE COU JSS, GA 300 J-449-5555 CURTAIN SYSTEM

W.W.S.

OT: 1=48

MINIMUM

EMBED

2 1/2"

FULL

FULL

FULL

FULL.

4"

MINIMUM

EDGE DIST

1/2"

2 1/2"

3/4"

3/4"

1"

SEE DETAILS

W.W.S.

DATE; 02/14/12

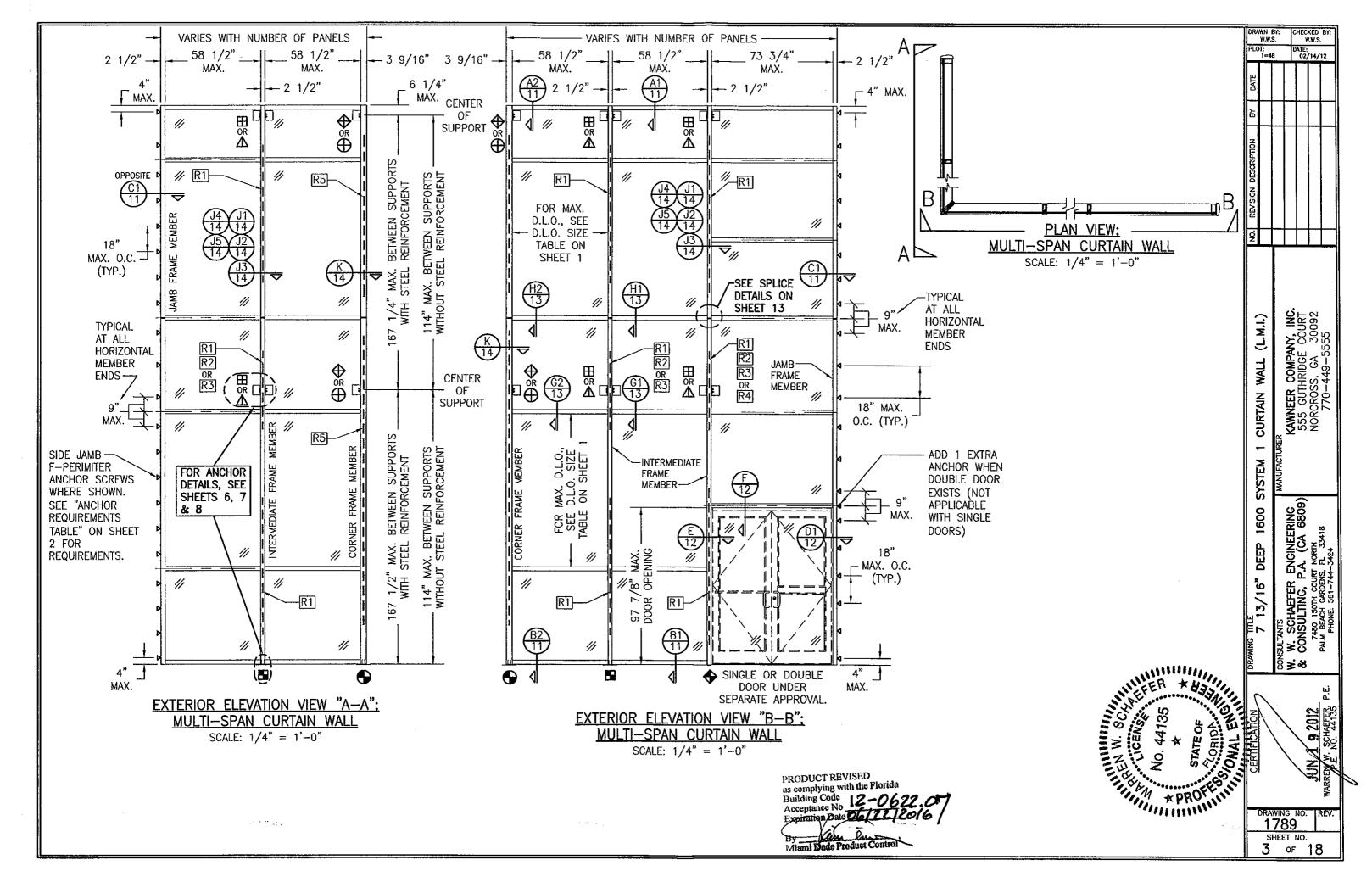
P.A. (CA 6809) URT NORTH DNS, FL 33418 1600 DEEP

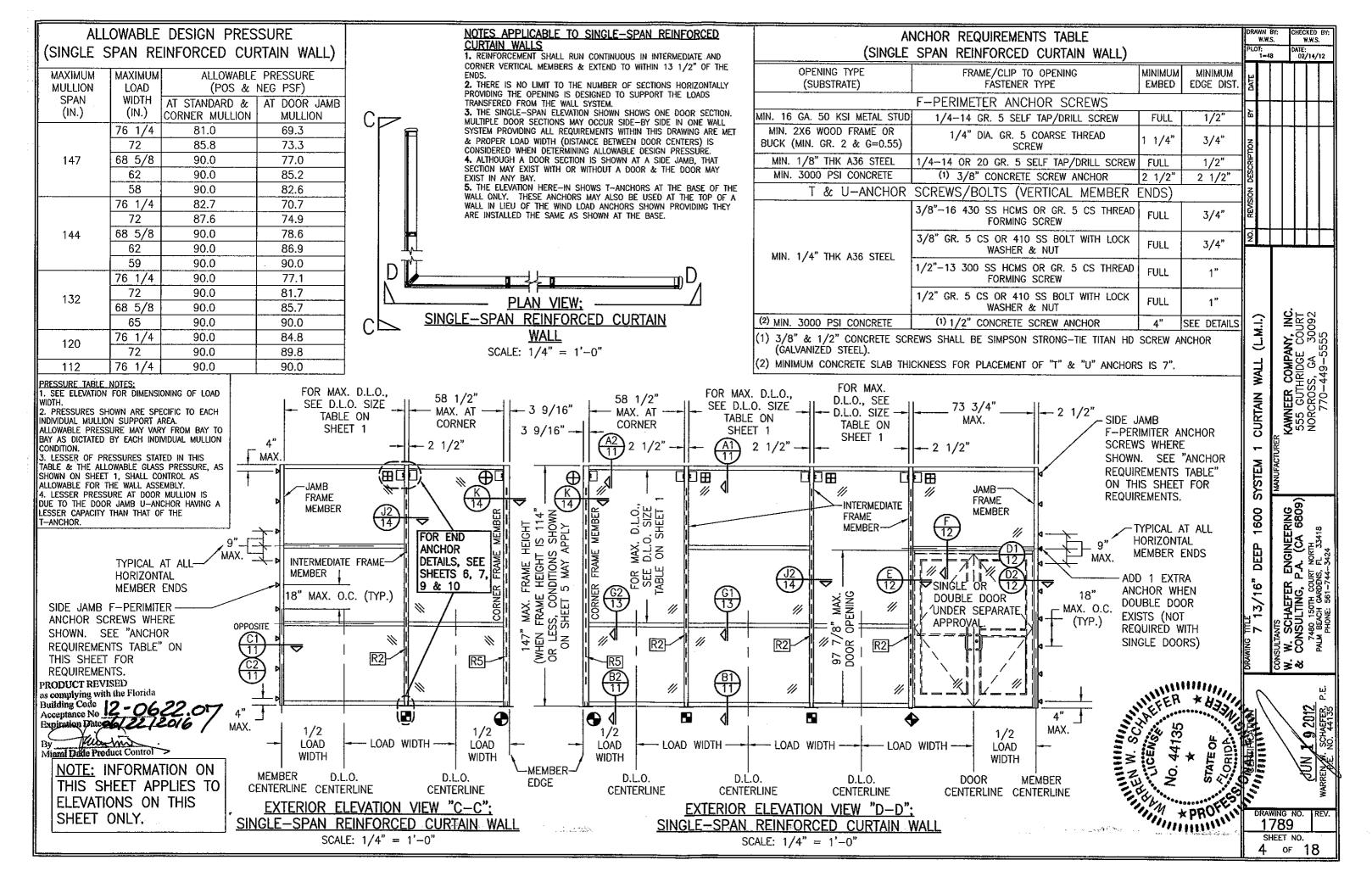
13/16" ર્ટ કે જે 2012

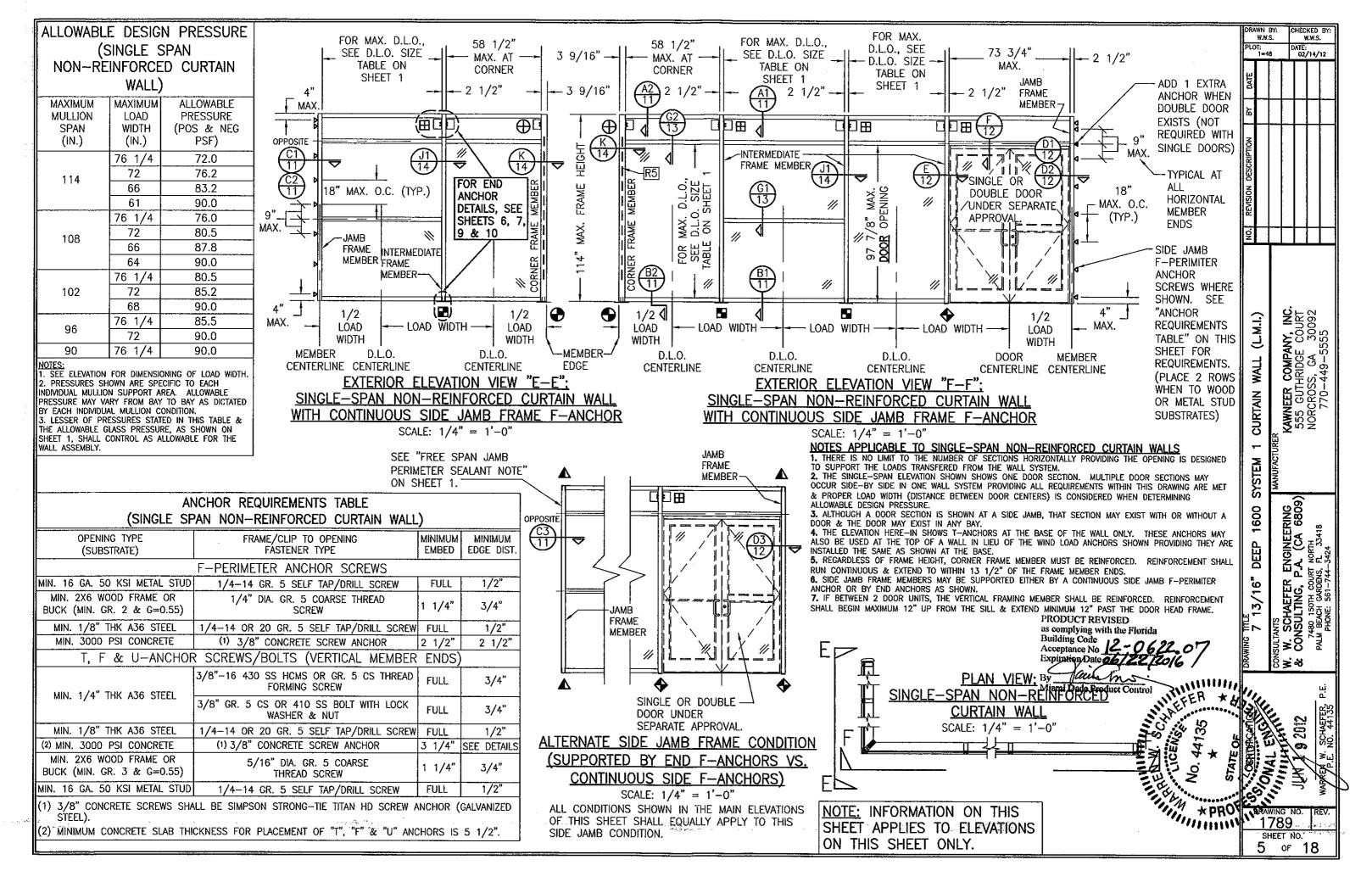
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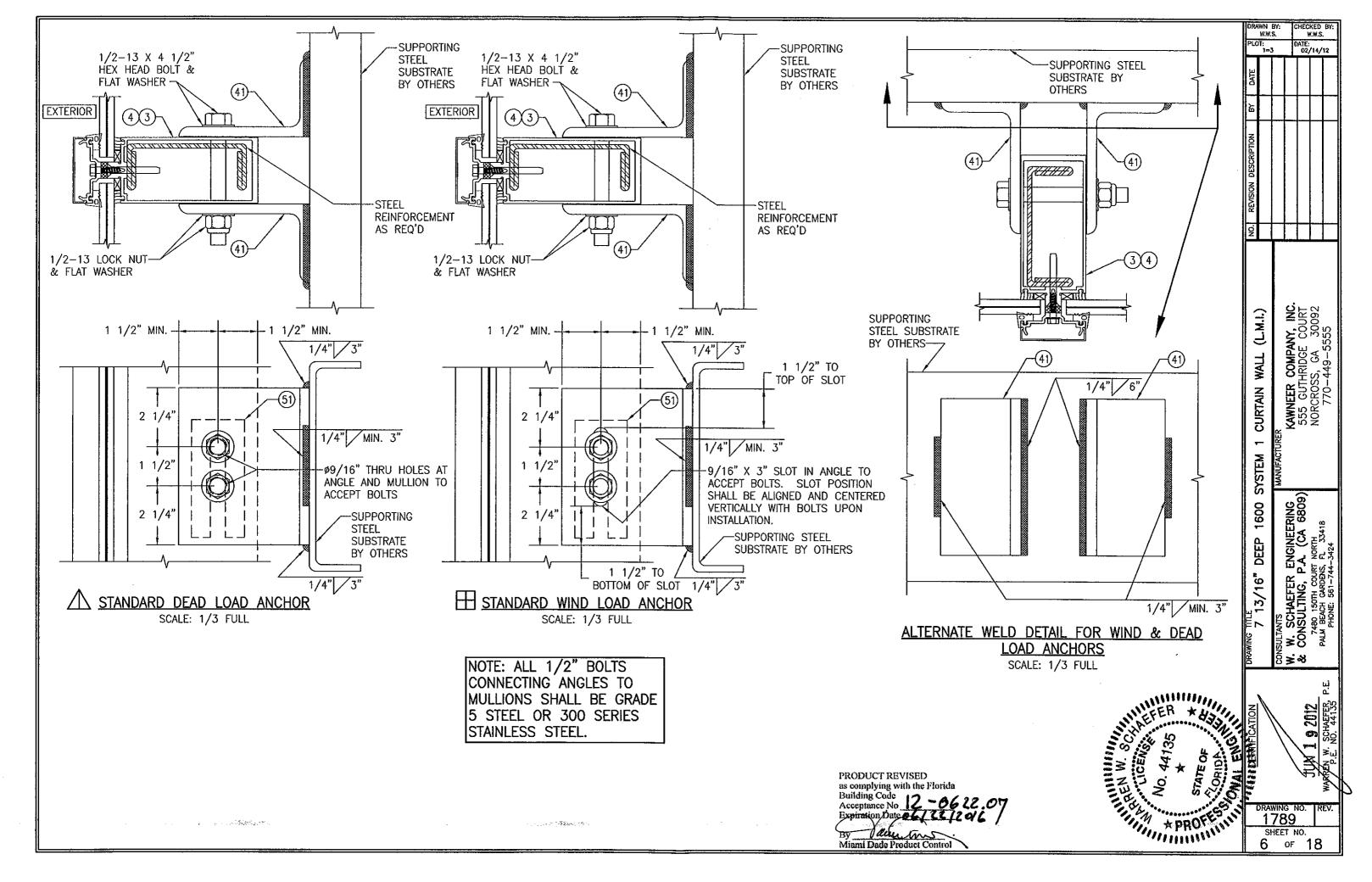
SHEET NO.

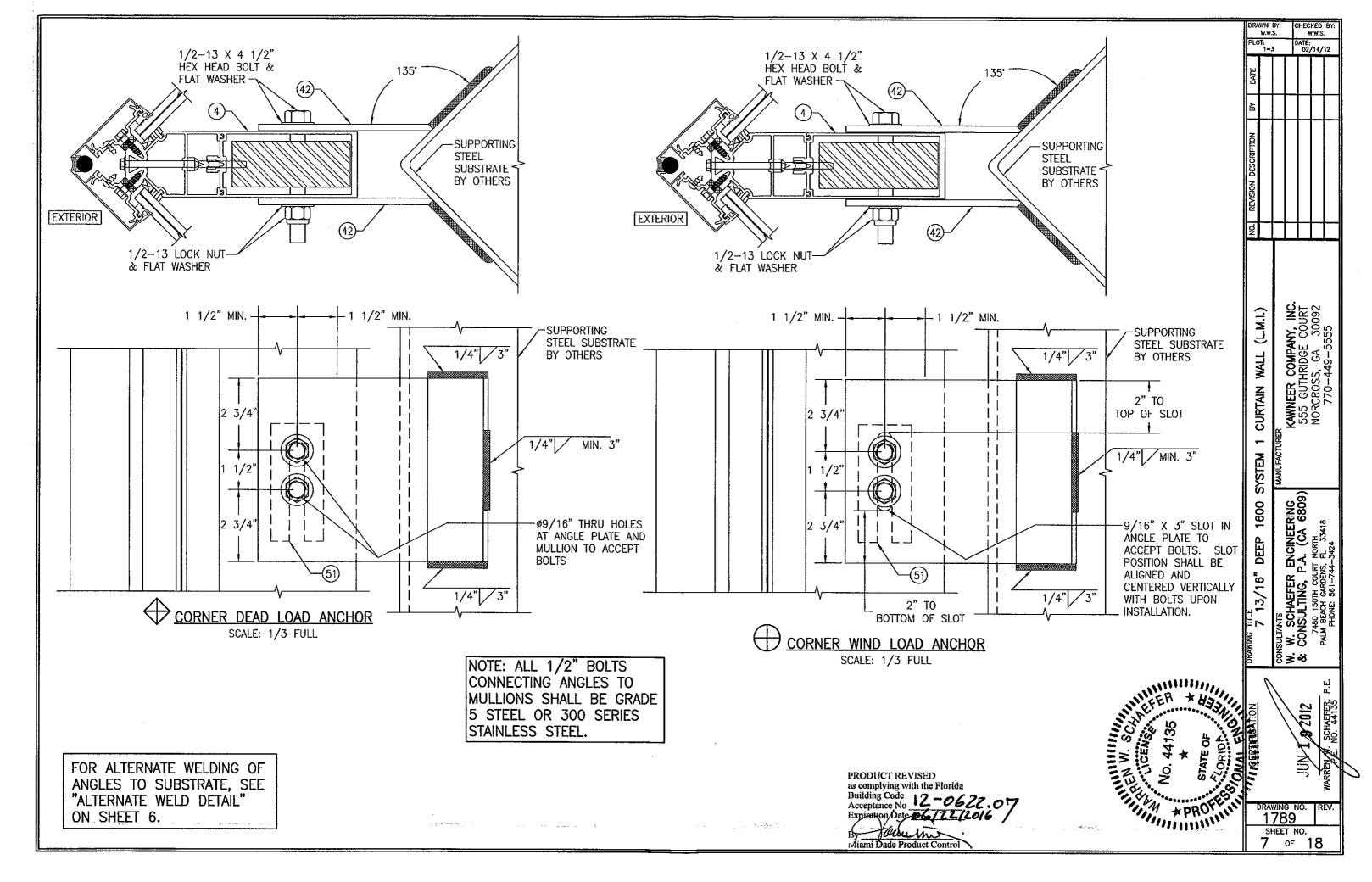
2 of 18

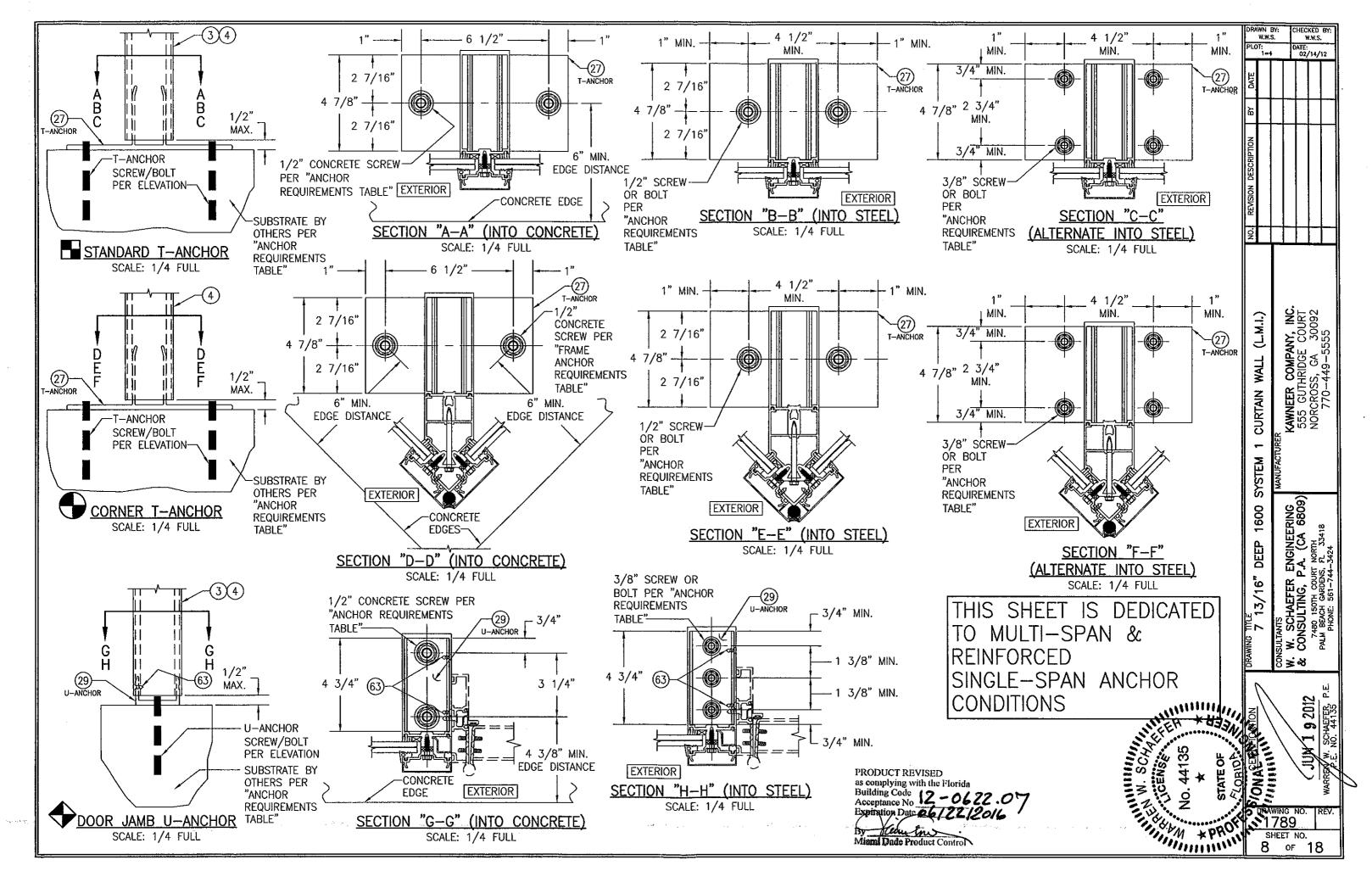


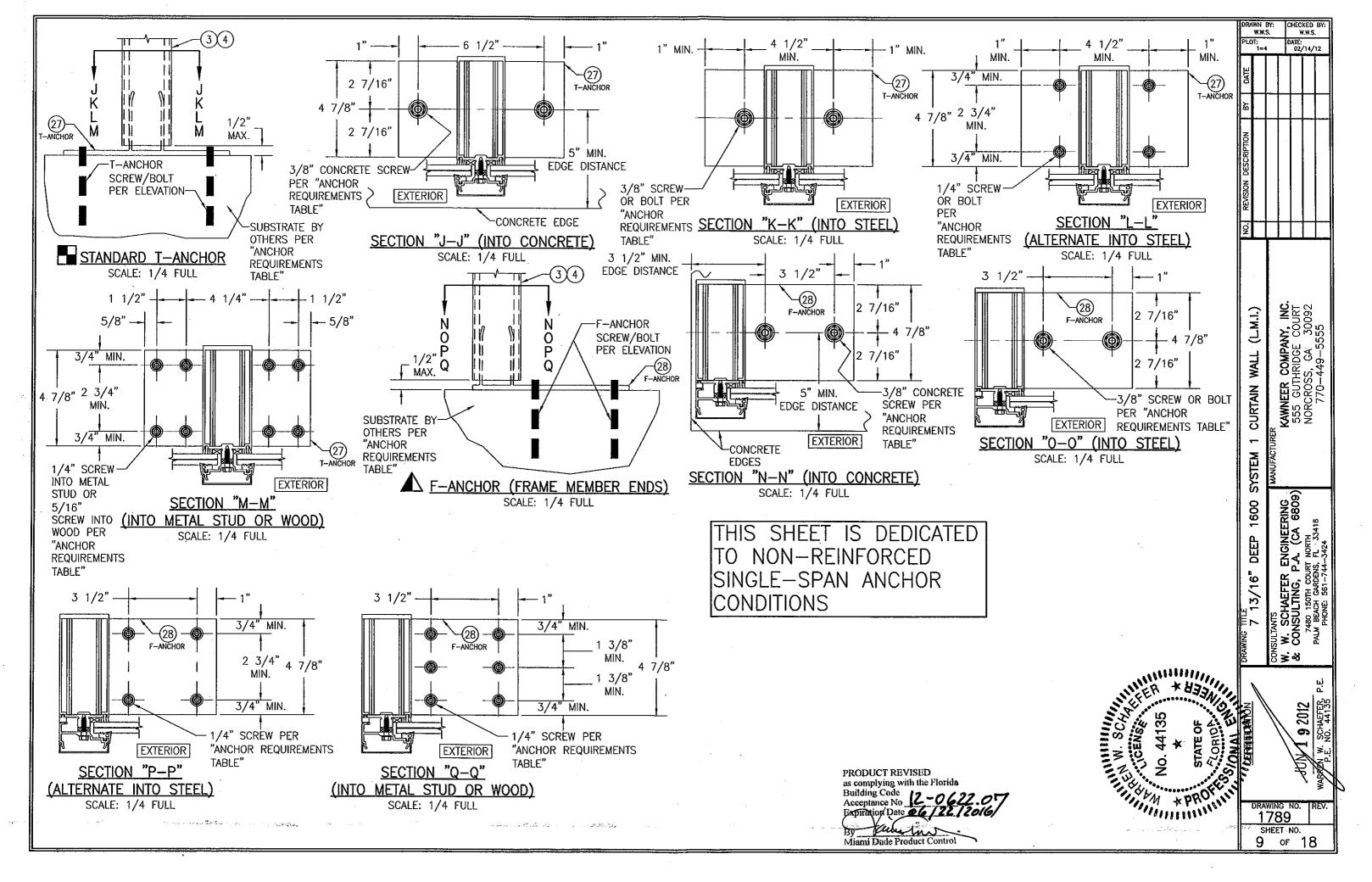


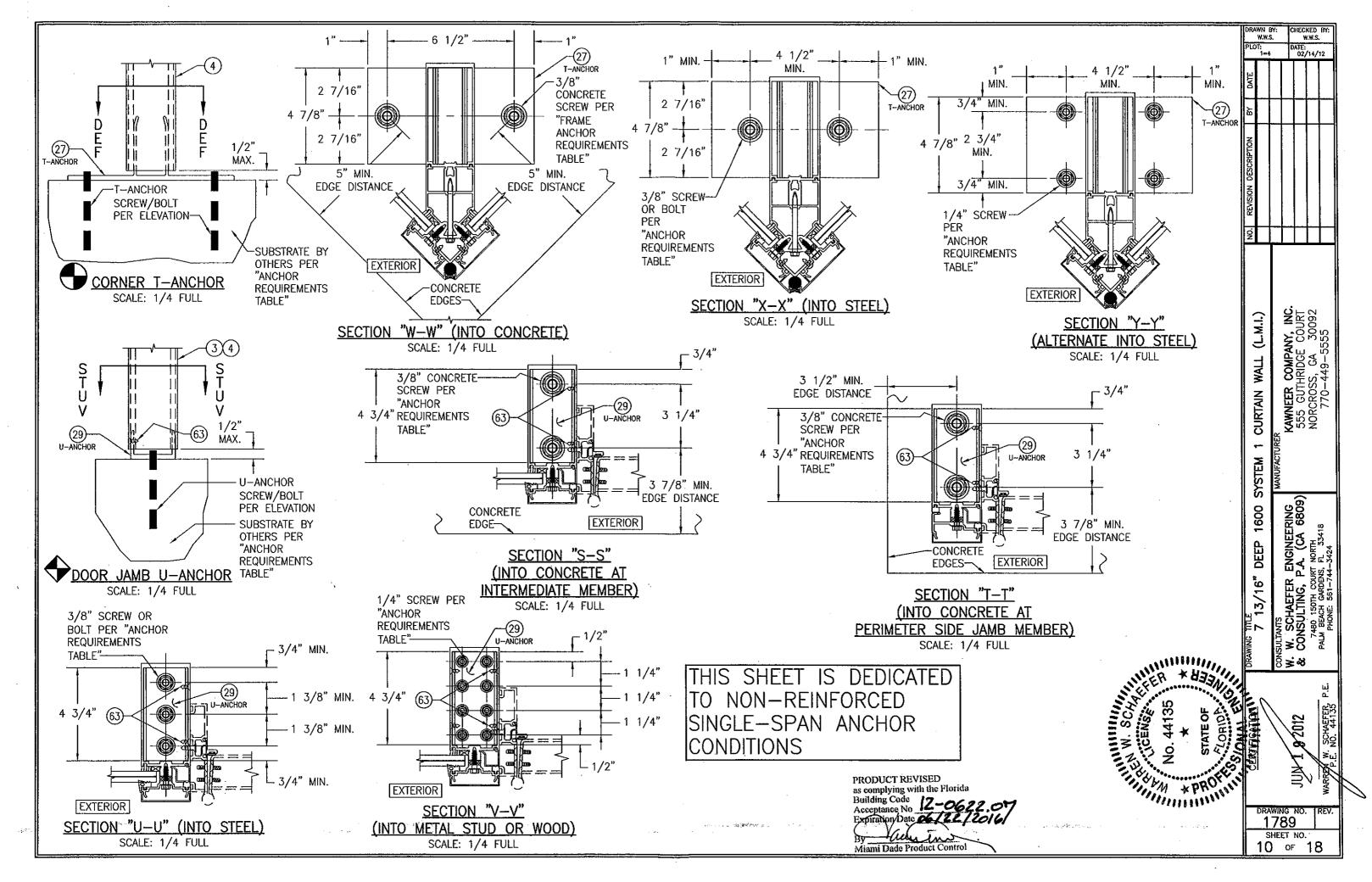


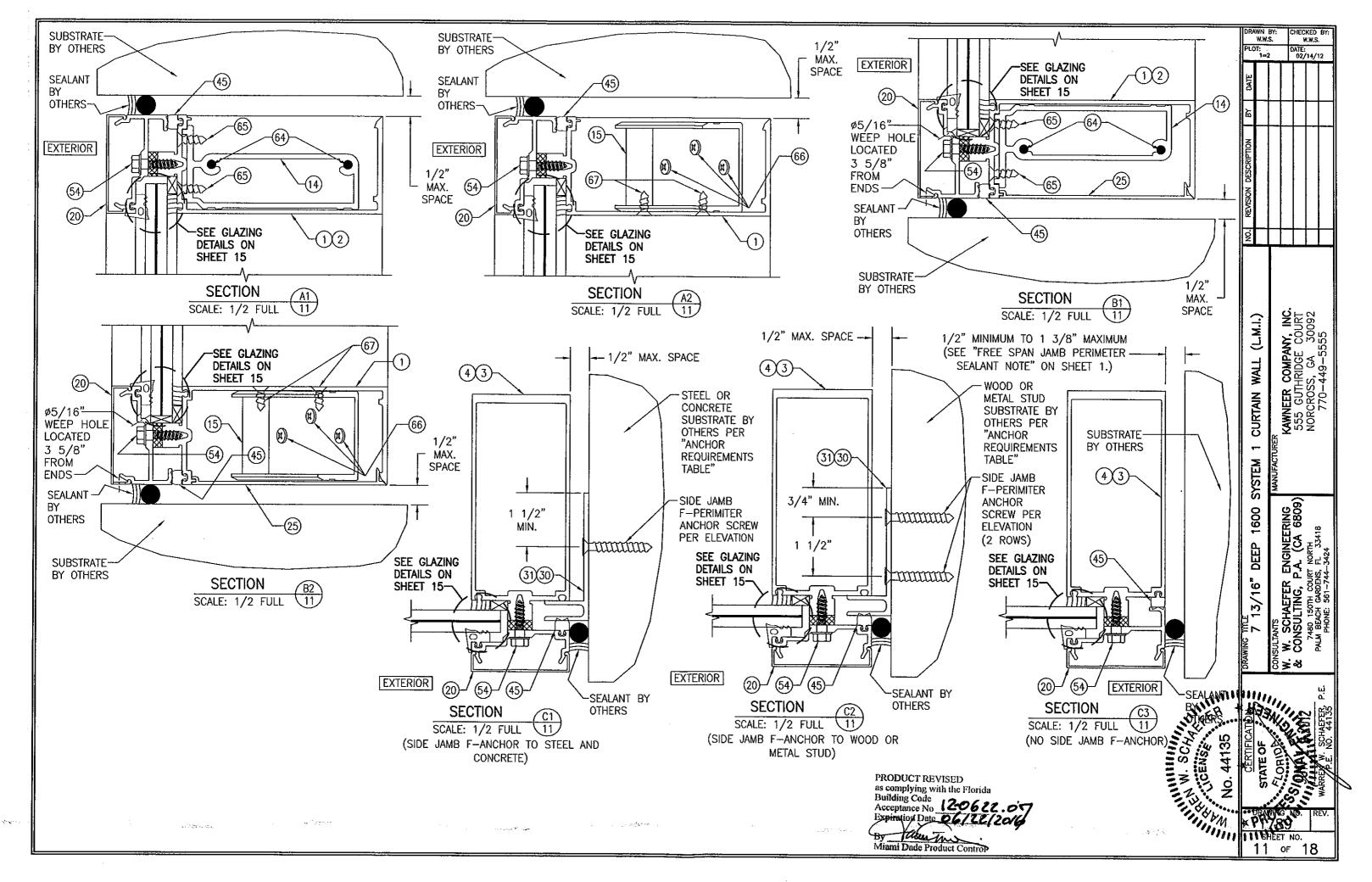


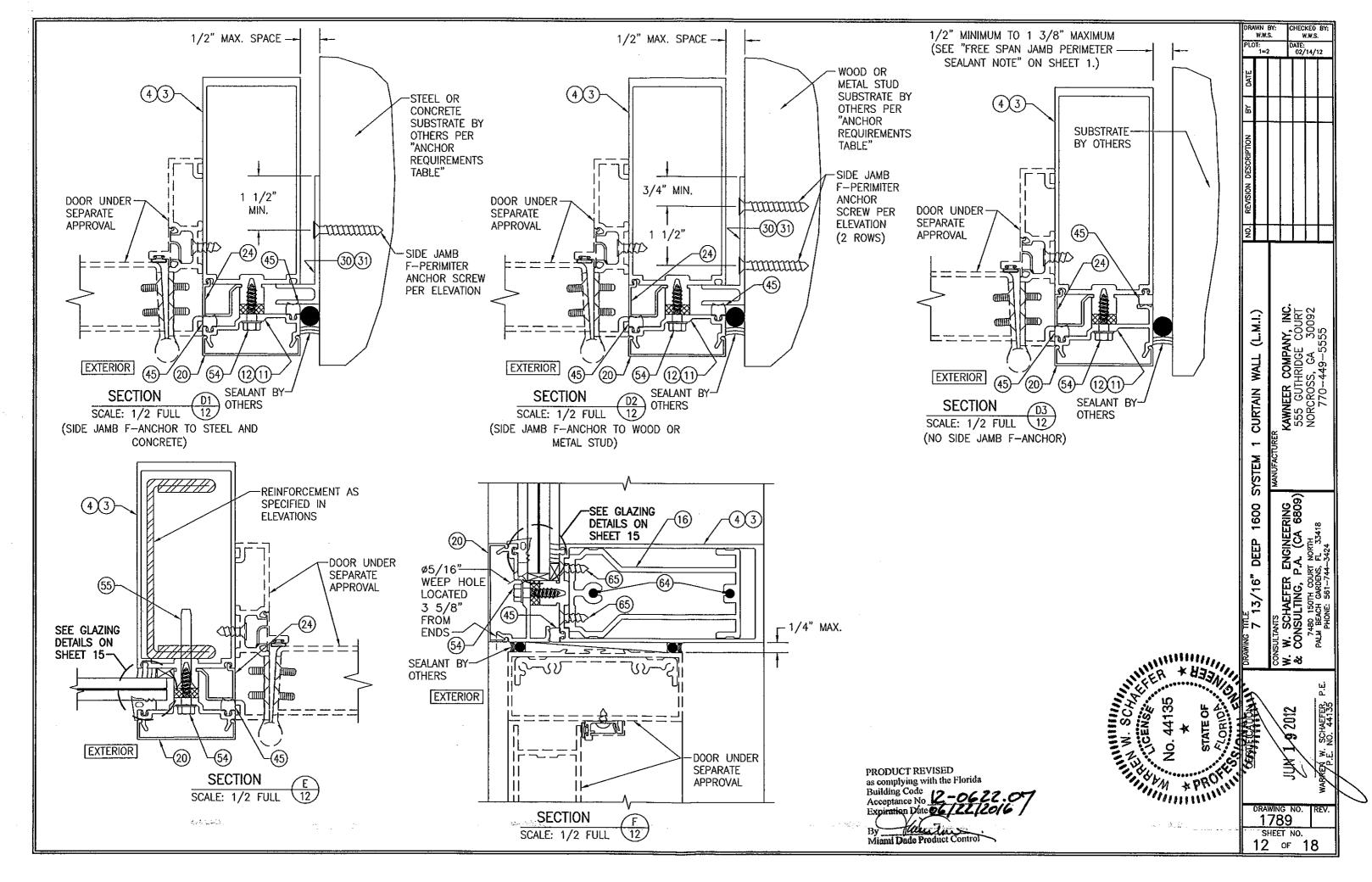


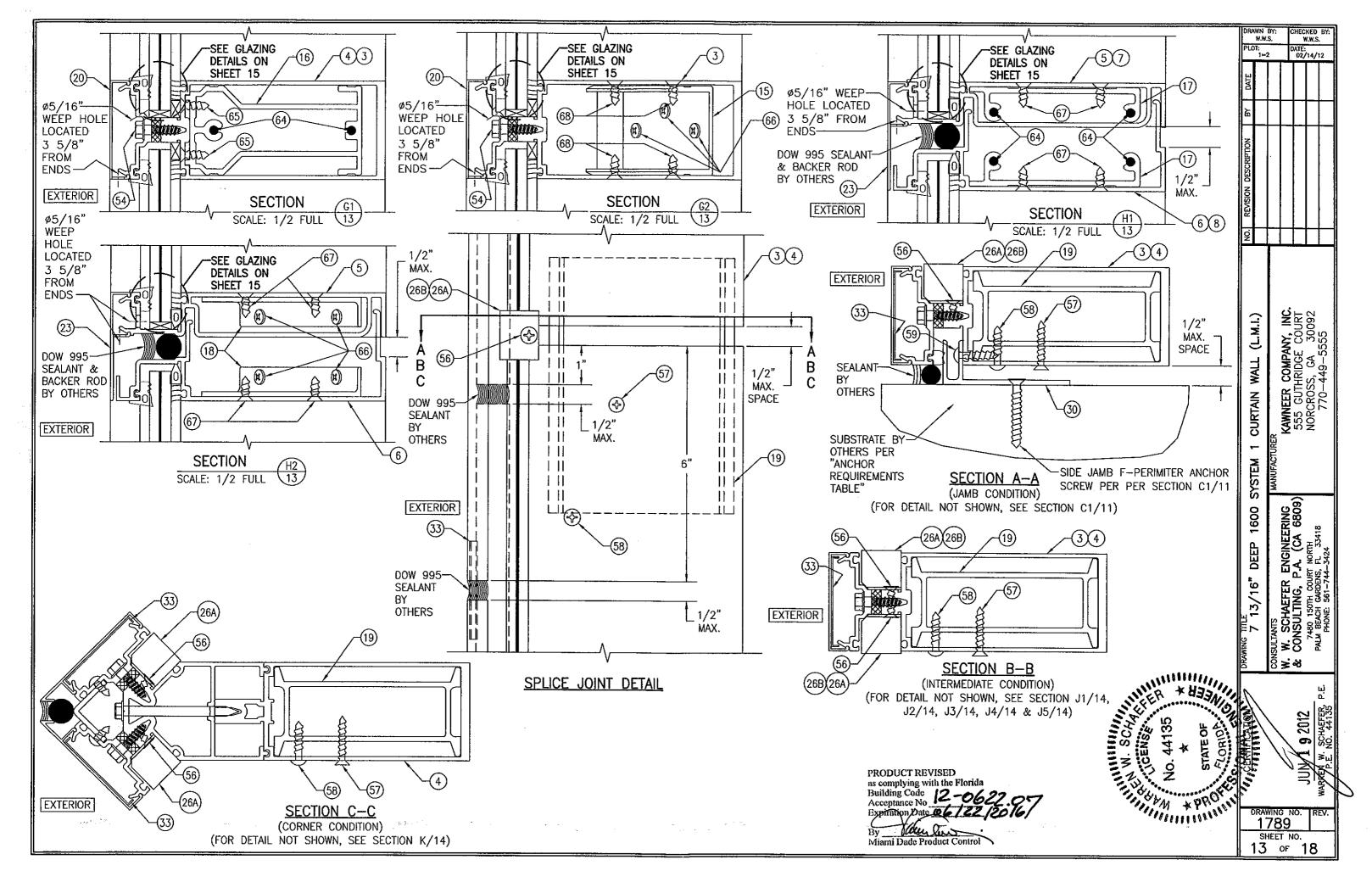


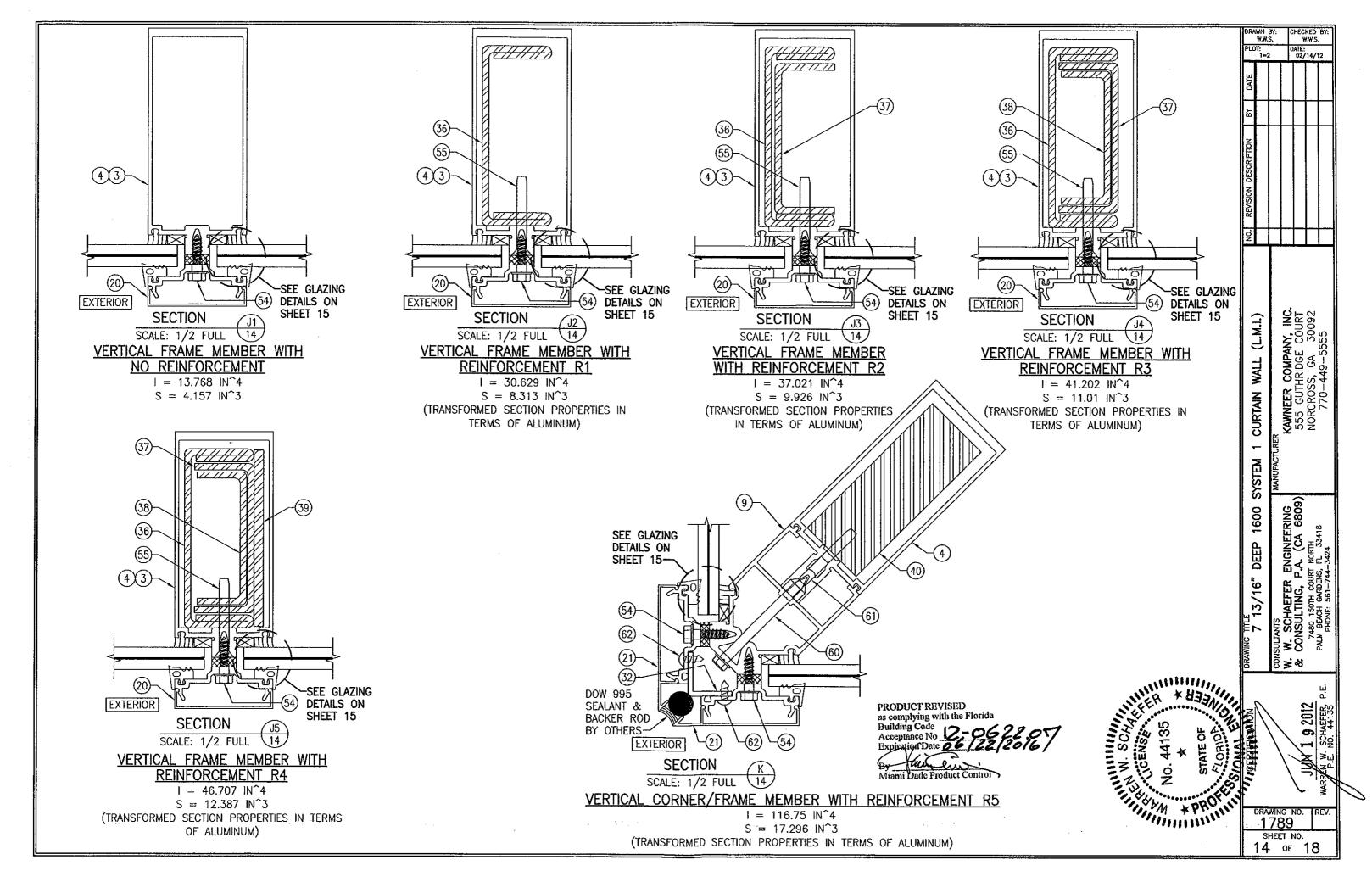


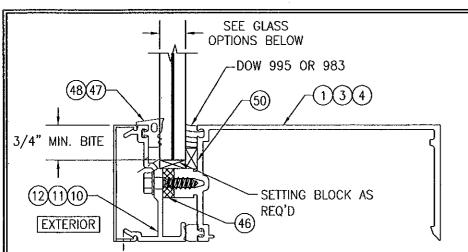












TYPICAL GLAZING DETAIL: MONOLITHIC LAMINATED GLASS TO STANDARD FRAMING

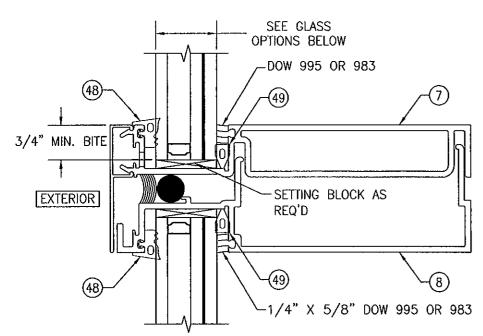
GLASS OPTIONS:

OPTION 1: 5/8" THICK LAMINATED VIRACON HRG-2 GLASS (1/4" HT. ST./0.050" URETHANE/0.080" POLYCARBONATE/0.050" URETHANE/1/4" HT. ST.) OPTION 2 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.100" SOLUTIA SAFLEX HP/1/4" HT. ST.)

OPTION 3: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.090" DUPONT SG/1/4" HT. ST.)

OPTION 4: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.090" SOLUTIA SAFLEX IIIG PVB/1/4" HT. ST.)

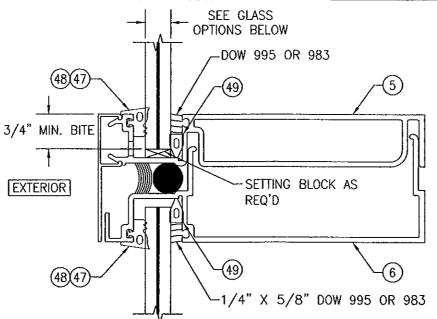
OPTION 5: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.090" DUPONT BUTACITE PVB/1/4" HT. ST.)



TYPICAL GLAZING DETAIL; I.G. GLASS TO SPLICE JOINT FRAMING

GLASS OPTIONS:

OPTION 6: 1 5/16" THICK I.G LAMINATED GLASS (1/4" HT. ST. OR TEMPERED EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" SOLUTIA SAFLEX IIIG PVB/1/4" HT. ST. INTERIOR) OPTION 7: 1 5/16" THICK I.G LAMINATED GLASS (1/4" HT. ST. OR TEMPERED EXTERIOR: 1/2" AIR SPACE; 1/4" HT. ST./0.090" DUPONT BUTACITE PVB/1/4" HT. ST. INTERIOR)



TYPICAL GLAZING DETAIL: MONOLITHIC LAMINATED GLASS TO SPLICE JOINT FRAMING

OPTION 1: 5/8" THICK LAMINATED VIRACON HRG-2 GLASS (1/4" HT. ST./0.050" URETHANE/0.080" POLYCARBONATE/0.050" URETHANE/1/4" HT. ST.)

OPTION 2 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.100" SOLUTIA SAFLEX HP/1/4" HT. ST.)

OPTION 3: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.090" DUPONT SG/1/4" HT. ST.)

OPTION 4: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.090" SOLUTIA SAFLEX IIIG PVB/1/4" HT. ST.)

OPTION 5: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.090" DUPONT BUTACITE PVB/1/4" HT. ST.)

NOTE: EXTERIOR GLASS PANE OF I.G. GLAZING SHALL BE TEMPERED WHEN CURTAIN WALL

GLASS IS INSTALLED IN A SMALL MISSILE IMPACT LOCATION OF A BUILDING OR WHEN

GLASS IS REQUIRED TO CONFORM WITH SECTION 2406 OF THE FLORIDA BUILDING CODE FOR USE OF GLASS IN HAZARDOUS

LOCATIONS.

-DOW 995 OR 983 3/4" MIN. BITE 13(1)(10 SETTING BLOCK AS REQ'D EXTERIOR

TYPICAL GLAZING DETAIL: I.G. GLASS TO STANDARD FRAMING

SEE GLASS

OPTIONS BELOW

(NOT APPLICABLE TO CORNER FRAME MEMBER)

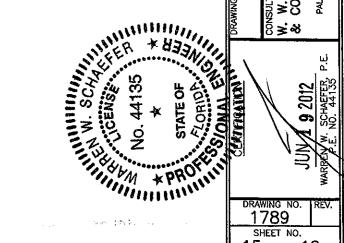
GLASS OPTIONS:

OPTION 6: 1 5/16" THICK I.G LAMINATED GLASS (1/4" HT. ST. OR TEMPERED EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" SOLUTIA SAFLEX IIIG PVB/1/4" HT. ST. INTERIOR)

OPTION 7: 1 5/16" THICK I.G LAMINATED GLASS (1/4" HT, ST. OR TEMPERED EXTERIOR; 1/2" AIR SPACE; 1/4" HT. ST./0.090" DUPONT BUTACITE PVB/1/4" HT. ST. INTERIOR)

> NOTE: EXTERIOR GLASS PANE OF I.G. GLAZING SHALL BE TEMPERED WHEN CURTAIN WALL GLASS IS INSTALLED IN A SMALL MISSILE IMPACT LOCATION OF A BUILDING OR WHEN GLASS IS REQUIRED TO CONFORM WITH SECTION 2406 OF THE FLORIDA BUILDING CODE FOR USE OF GLASS IN HAZARDOUS LOCATIONS.

PRODUCT REVISED as complying with the Florida



DEEP 13/16"

15 of

AWN BY: W.W.S.

(L.M.I.)

WALL

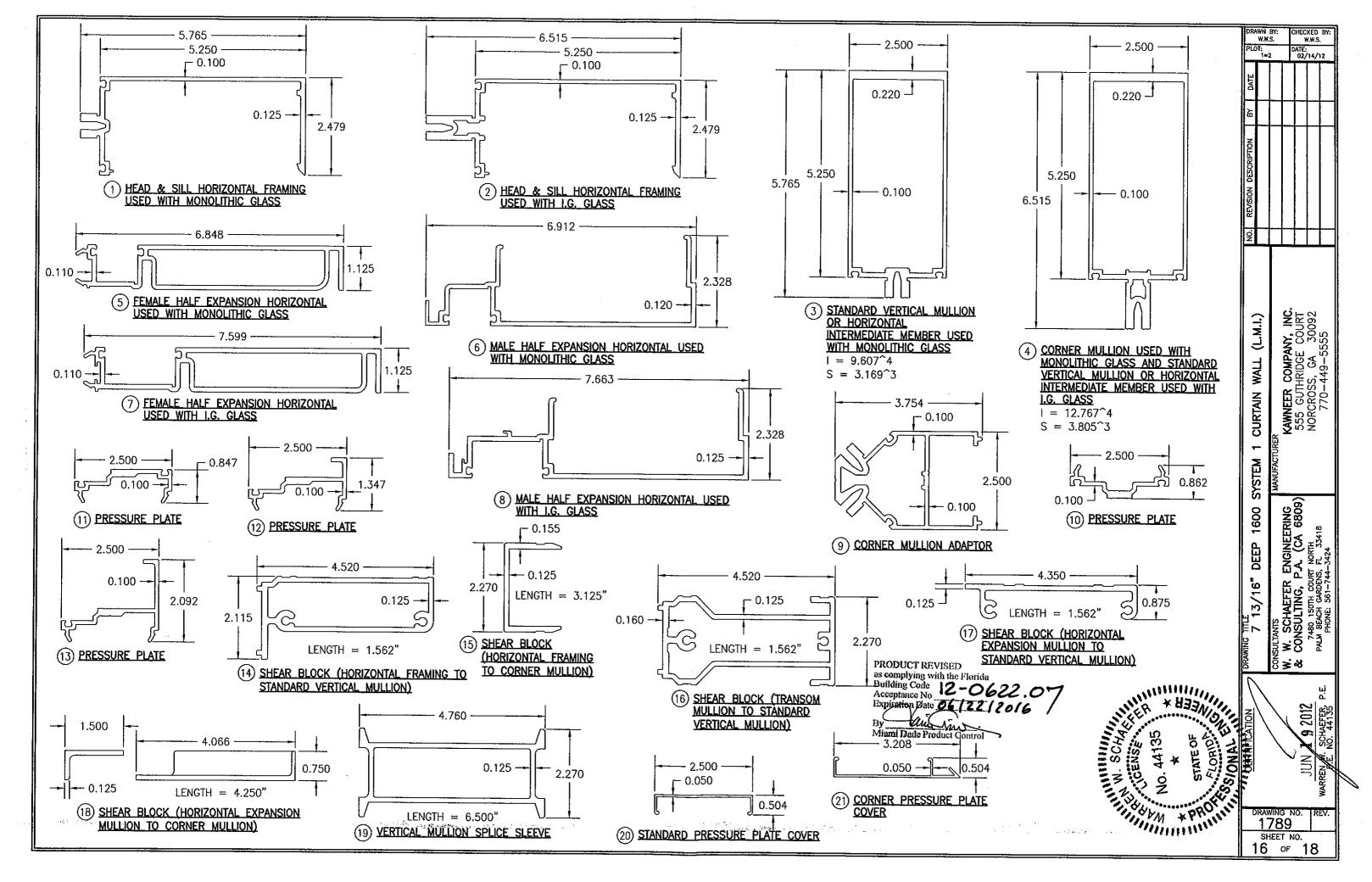
CURTAIN

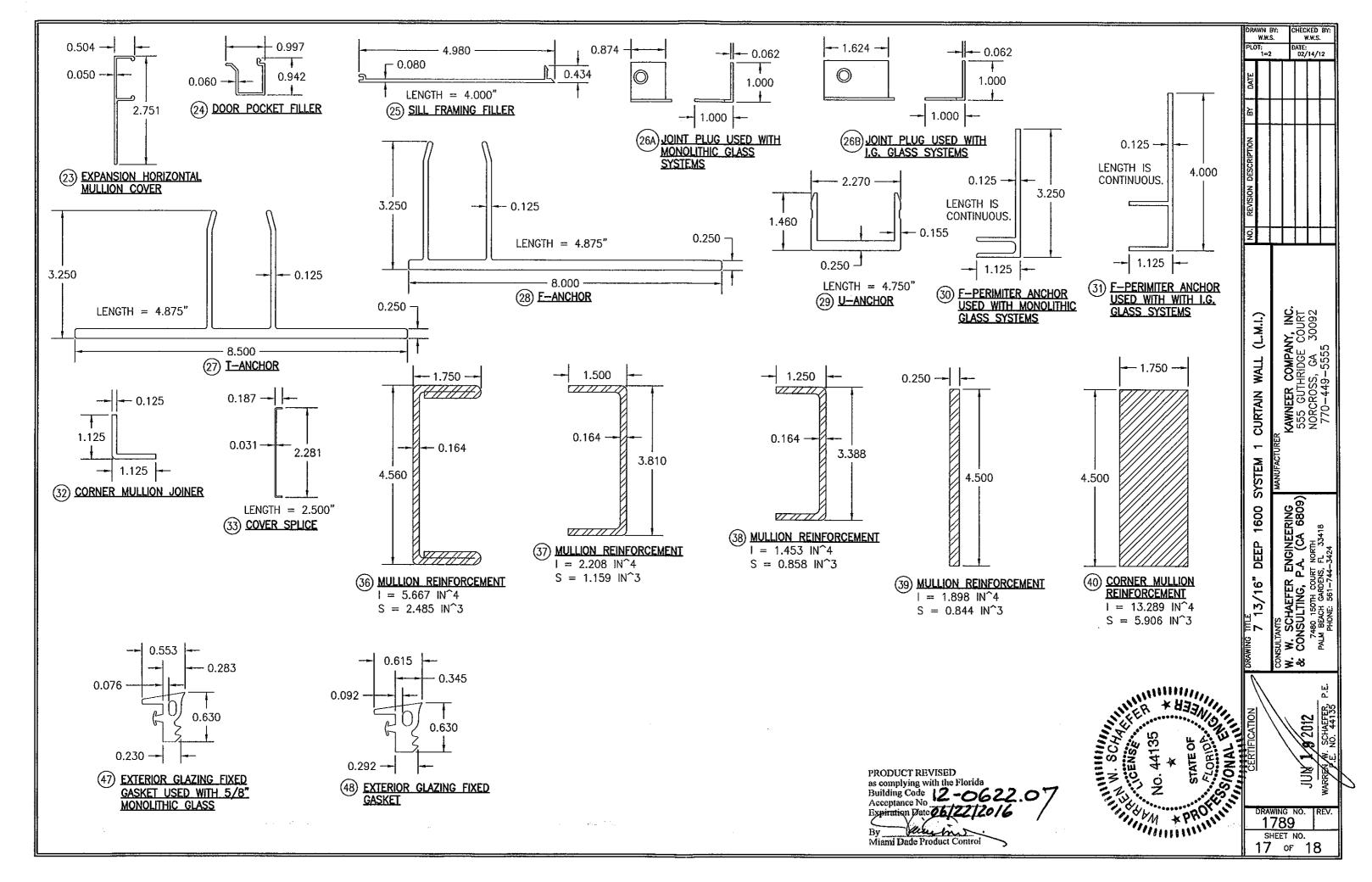
SYSTEM

1600

W.W.S.

MTE: 02/14/12

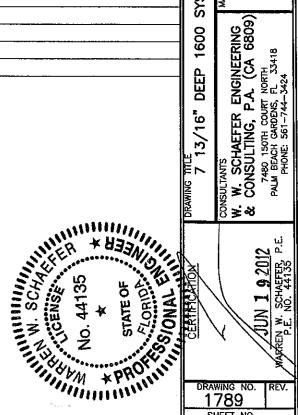




ITEM #		MANUFACTURER/NOTES
	PARTS	
1	HEAD & SILL HORIZONTAL FRAMING	6063—T6 ALUMINUM
	USED WITH MONOLITHIC GLASS	
2	HEAD & SILL HORIZONTAL FRAMING	6063-T6 ALUMINUM
	USED WITH I.G. GLASS	
3	STANDARD VERTICAL MULLION OR HORIZONTAL	6063-T6 ALUMINUM
	INTERMEDIATE MEMBER USED WITH	
	MONOLITHIC GLASS	
4	CORNER MULLION USED WITH MONOLITHIC GLASS	6063-T6 ALUMINUM
	AND STANDARD VERTICAL MULLION OR HORIZONTAL	
	INTERMEDIATE MEMBER USED WITH I.G. GLASS	
5	FEMALE HALF EXPANSION HORIZONTAL USED	6063-T6 ALUMINUM
Ü	WITH MONOLITHIC GLASS	TO ALCOMINATION
6	MALE HALF EXPANSION HORIZONTAL USED	6063-T6 ALUMINUM
b	WITH MONOLITHIC GLASS	0005-10 ALUMINUM
		COCZ TO ALLBANDIA
7	FEMALE HALF EXPANSION HORIZONTAL USED	6063-T6 ALUMINUM
	WITH I.G. GLASS	OOO7 TO ALLINGUID.
8	MALE HALF EXPANSION HORIZONTAL USED	6063-T6 ALUMINUM
	WITH I.G. GLASS	
9	CORNER MULLION ADAPTOR	6063—T6 ALUMINUM
10	PRESSURE PLATE	6063-T6 ALUMINUM
11	PRESSURE PLATE	6063-T6 ALUMINUM
12	PRESSURE PLATE	6063-T6 ALUMINUM
13	PRESSURE PLATE	6063-T6 ALUMINUM
14	SHEAR BLOCK (HORIZONTAL FRAMING TO	6063-T6 ALUMINUM
	STANDARD VERTICAL MULLION)	
15	SHEAR BLOCK (HORIZONTAL FRAMING TO	6063-T6 ALUMINUM
.0	CORNER MULLION)	
16	SHEAR BLOCK (TRANSOM MULLION TO	6063-T6 ALUMINUM
10	STANDARD VERTICAL MULLION)	OGGO TO ALOMINOM
17	SHEAR BLOCK (HORIZONTAL EXPANSION MULLION	6063-T6 ALUMINUM
1 /	·	0000-10 ALUMINUM
10	TO STANDARD VERTICAL MULLION)	COCT TO ALLBANERS
18		6063—T6 ALUMINUM
	TO CORNER MULLION)	
19	VERTICAL MULLION SPLICE SLEEVE	6063-T6 ALUMINUM
20	STANDARD PRESSURE PLATE COVER	6063-T6 ALUMINUM
21	CORNER PRESSURE PLATE COVER	6063-T6 ALUMINUM
23	EXPANSION HORIZONTAL MULLION COVER	6063-T6 ALUMINUM
24	DOOR POCKET FILLER	6063-T6 ALUMINUM
25	SILL FRAMING FILLER	6063-T6 ALUMINUM
		(AT 1/4 POINTS OF FRAMING SPAN)
26A	JOINT PLUG USED WITH MONOLITHIC	6063-T6 ALUMINUM
'	GLASS SYSTEMS	
26B	JOINT PLUG USED WITH I.G. GLASS SYSTEMS	6063-T6 ALUMINUM
27	T-ANCHOR	6063-T6 ALUMINUM
28	F-ANCHOR	6063-T6 ALUMINUM
	U-ANCHOR	
29		6063-T6 ALUMNUM
30	F-PERIMITER ANCHOR USED WITH WITH MONOLITHIC	6063-T6 ALUMINUM
	GLASS SYSTEMS	
31	F-PERIMITER ANCHOR USED WITH WITH I.G.	6063-T6 ALUMINUM
	GLASS SYSTEMS	
32	CORNER MULLION JOINER	5005 H32 ALUMINUM
33	COVER SPLICE	5005 H32 ALUMINUM

	irria II	TTTU DECORPTION	T TANKE OT UPED A LOTTED		N BY:
	ITEM #		MANUFACTURER/NOTES		.W.S. 1=2
		PARTS			1=2
	36	MULLION REINFORCEMENT	ASTM A1011 GRADE 50 STEEL	<u> </u>	-
	37	MULLION REINFORCEMENT	ASTM A1011 GRADE 50 STEEL	DATE	
	38	MULLION REINFORCEMENT	ASTM A1011 GRADE 50 STEEL		╈
	39	MULLION REINFORCEMENT	ASTM A36 STEEL	<u> </u>	
	40	CORNER MULLION REINFORCEMENT	ASTM A36 STEEL	П	T
	41	5" X 3" X 3/8" X 6" LONG ANGLE	50 KSI STEEL	ĕ	
	42	8" X 3" X 3/8" X 6" LONG BENT PLATE	50 KSI STEEL	붉	
		SEALS & SEALANTS			۱
	45	FIXED GASKET	TREMCO TR4726P EPDM DUROMETER 70 +/-5	ğ	
	46	THERMAL SEPERATOR	TREMCO TR-4015P EPDM DUROMETER 60 +/-5	REVISION	
	47	EXTERIOR GLAZING FIXED GASKET USED WITH	TREMCO TR-4860W EPDM DUROMETER 60 +/-5	2	ı
		5/8" MONOLITHIC GLASS		힏	十
	48	EXTERIOR GLAZING FIXED GASKET USED WITH	TREMCO TR-4014P EPDM DUROMETER 60 +/-5	 - -	十
		I.G. & 9/16" MONOLITHIC GLASS			1
	49	WEDGE GLAZING GASKET	TREMCO TR-4873S SILICONE DUROMETER 70 +/-5		1
	50	5/16" X 7/16" GLAZING TAPE	NORTON V2100 FOAM OR TREMCO 920	1	1
	51	STEEL TO ALUMINUM SEPERATOR	THERMO-TOK TN-9004	1	ı
		FASTENERS		(LM.1.)	:
	54	1/4" X 1" HWHTFS 300 SERIES S.S.	WITHIN 3" FROM ENDS & 9" MAX. O.C.	≥	
	55	1/4-20 X 2" FNTCS 300 SERIES S.S.	WITHIN 9" FROM ENDS & 9" MAX. O.C.		
	56	NO. 10 X 3/8" FHTFS 300 SERIES S.S.	1 PER JOINT PLUG	CURTAIN WALL	į
	57	10-16 X 1 1/4" FHSDS 300 SERIES S.S.	1 PER VERTICAL MULLION SPLICE SLEEVE	∥≸	
	58	NO. 12 X 1" PHTFS 300 SERIES S.S.	1 PER VERTICAL MULLION SPLICE SLEEVE	1 z	:
	59	NO. 12 X 1" PHTFS 300 SERIES S.S.	2 ABOVE SPLICE; WITHIN 3" OF END 3" O.C.	∥ ₹	
	60	1/4" X 3" S.S. HWHTFS FNTCS 300 SERIES S.S.		11 13	
	61	1/4-20 X 2" FNTCS 300 SERIES S.S.	WITHIN 9" FROM ENDS & 24" MAX. O.C.	II .	•
	62	NO. 10 X 1/2" PHTFS 300 SERIES S.S.	WITHIN 6" FROM ENDS & 18" MAX. O.C.	╢╺╴	
	63	NO. 8 X 1/2" FHTFS 300 SERIES S.S.	2 PER U-ANCHOR	┨╗	747
	64	NO. 12 X 1 7/8" PHTFS 300 SERIES S.S.	2 PER SHEAR BLOCK	SYSTEM	Į į
	65	NO. 12 X 7/8" FHTFS 300 SERIES S.S.	2 PER SHEAR BLOCK	∦ ≿	; F
	66	NO. 12 X 7/16" PHTFS 300 SERIES S.S.	3 PER SHEAR BLOCK	000	. I
	67	NO. 12 X 1/2" FHTFS 300 SERIES S.S.	2 PER SHEAR BLOCK	1 8	Ė
	68	NO. 12 X 1/2" FHTFS 300 SERIES S.S.	A DED CUELD GLOCK	╢ 、	
,	· · · · · · · · · · · · · · · · · · ·		T. V. E. V. G. V. G. C. G. C.		
				DRAWING TITLE	7 13/16" DE
				DRAWING	_
				Ħ	- }

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-9622.07
Expiration Date 16/22/2016



1789 SHEET NO. 18 OF 18

CHECKED BY: W.W.S. DATE: 02/14/12

KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555